

CUTTING & WORKBENCH PROTECTION MATS

HIGH PERFORMANCE RANGE 

ISSUE 11



About **Rhino Innovation**

Rhino Innovation Ltd are wholesalers and retailers of cutting mats and workbench protection mats, workshop cutting tools and metal workbenches. Rhino as a cutting mat brand has been established since 2005 and grown into a leading supplier of workplace innovation products.

We're passionate about providing unique cutting mats and bespoke solutions, be it one off prototypes or national roll-out programs in many sectors including cleanrooms for automotive, aerospace and marine, signage and printing, manufacturing and warehousing, craft and textiles, and schools and education.

Our **Mission**

At the core of our mission is our belief that we can add value by providing innovative, time saving and more effective solutions, coupled with our desire to bring them to market in a sustainable way.

Historically many of our core products are based around PVC, which has meant we've taken time to innovate and promote new materials and schemes to build a sustainable greener future.



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01280 840293



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RHINOCUTTINGMAT.CO.UK



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Rhino Innovation Ltd Registered in England & Wales No: 13019696

Why Use High Performance Cutting and Workbench Protection Mats?



Up to **75%** Increase in life expectancy over other surface solutions



Up to **77%** of clients report hand injury reduction



Up to **68%** Improvement in preserving work surfaces and protecting products being worked on avoiding cross contamination



Up to **50%** Reduction in replacement tool costs by extending tool and blade life



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HEAVY DUTY CUTTING MAT



Our Rhino heavy-duty cutting mat is a great solution suitable for large applications and fabricating environments where a heavy-duty cutting mat or workbench protection mat is needed.

- > 4.5mm thick semi-opaque white heavy-duty cutting mat
- > Manufactured to help deal with cross contamination and foreign object debris control
- > Solvent-proof and anti-glare surface

- > Ensures faster straighter cutting and reduces replacement blade costs
- > A great investment for your workplace – protects your work surface and keeps your tables looking clean
- > Good self-healing properties and silicone free. Slightly textured one side
- > Free of phthalate plasticisers and silicone free. No odour advantage compared to Rubber mat alternative

CODE	SIZE (MM)	CODE	SIZE (MM)	CODE	SIZE (MM)
TM4568	800 x 600mm	TM4540	1500 x 600mm	TM4533	2000 x 900mm
TM4545	1200 x 600mm	TM4569	1500 x 750mm	TM4532	2400 x 600mm
TM4544	1200 x 750mm	TM4539	1500 x 900mm	TM4531	2400 x 750mm
TM4567	1200 x 800mm	TM4538	1800 x 600mm	TM4530	2400 x 900mm
TM4543	1200 x 900mm	TM4537	1800 x 750mm	TM4501	2440 x 1220mm
TM4566	1200 x 1200mm	TM4536	1800 x 900mm	TM4502	3050 x 1525mm
TM4542	1440 x 900mm	TM4535	2000 x 600mm	TM4565	3660 x 1525mm
TM4541	1440 x 1200mm	TM4534	2000 x 750mm	TM4502	4880 x 1220mm
				TM4563	3660 x 1830mm



MEDIUM DUTY CUTTING MAT



**MULTI
PURPOSE**

Our Rhino Medium Duty mat is a great small to medium mat for light to medium duty cutting, and fabricating environments. Also ideal for a workbench protection mat in many industries including Manufacturing and packing benches.

- > 3mm thick semi-opaque white medium duty cutting mat or workbench mat
- > Good self-healing properties and silicone free. Slightly textured one side
- > Ensures straighter cutting and knife blades last longer
- > Solvent-proof and anti-glare surface
- > A great investment for your workplace – protects your work surface and keeps your tables looking clean

CODE	SIZE (MM)	CODE	SIZE (MM)
TM4523	600 x 800mm	TM4527	A3 (420 x 297mm)
TM4528	1500 x 750mm	TM4526	A2 (594 x 420mm)
TM4522	1200 x 800mm	TM4525	A1 (841 x 594mm)
TM4521	1220 x 1220mm	TM4524	A0 (1189 x 841mm)
TM4520	2440 x 1220mm		
TM4519	3050 x 1525mm		

SUPASEAL CLEAR CUTTING MAT



Our Supaseal clear cutting mats offer long-term durability and exceptional self-healing properties. They provide a perfect cutting surface and great workbench surface protection. Supaseal cutting mats are completely clear with a very slight blue tint.

- > Exceptional self-healing properties
- > 5mm thick & double-sided for twice the life
- > Available in multiple widths and up to 20m x 2.2m in one length
- > Suitable for all types of applications including flat-bed laminator /roller tables
- > Solvent and most chemicals proof and waterproof
- > Available in Anti-Static Supaseal AS version in 3 Widths

CODE	SIZE
------	------

TM4570	1000mm Wide / Price Per Metre
TM4571	1200mm Wide / Price Per Metre
TM4572	1500mm Wide / Price Per Metre
TM4573	1800mm Wide / Price Per Metre
TM4574	2200mm Wide / Price Per Metre

CODE	SIZE
------	------

TM4578	A3 Size (297 x 420mm)
TM4577	A2 Size (420 x 594mm)
TM4576	A1 Size (594 x 841mm)
TM4575	A0 Size (841 x 1189mm)



SUPASEAL GREY CUTTING MAT



Our SupaSeal Grey Cutting and workbench protection mats offer great durability and exceptional self-healing properties. They provide a perfect cutting surface and workbench protection mat. The Supaseal Grey has the same properties as the Supaseal Clear mats

- > Exceptional self-healing properties
- > 5mm thick & double-sided for twice the life
- > Available in multiple widths and up to 20m x 1.5m in one length
- > Ideal Mat to provide a smart clean bench finish to hide any existing worn bench surface
- > Solvent and most chemicals proof and waterproof
- > Silicone free, and Free of phthalate plasticisers

CODE	SIZE
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TM4570GR	1000mm Wide / Price Per Metre
-----------------	-------------------------------

TM4571GR	1200mm Wide / Price Per Metre
-----------------	-------------------------------

TM4572GR	1500mm Wide / Price Per Metre
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RHINO[®]
Workplace Innovation

SMARTER, SAFER, CLEANER
WORKSTATIONS

SUPASEAL BLACK CUTTING MAT



Our SupaSeal black Cutting and workbench protection mats offer great durability and exceptional self-healing properties. They provide a perfect cutting surface and workbench protection mat. The Supaseal Black has the same properties as the Supaseal Clear mats

- > Exceptional self-healing properties
- > 5mm thick & double-sided for twice the life
- > Available in multiple widths and up to 20m x 1.5m in one length
- > Ideal Mat to provide a smart clean bench finish to hide any existing worn bench surface
- > Solvent and most chemicals proof and waterproof
- > Silicone free, and Free of phthalate plasticisers

CODE	SIZE
------	------

TM4570BL	1000mm Wide / Price Per Metre
TM4571BL	1200mm Wide / Price Per Metre
TM4572BL	1500mm Wide / Price Per Metre



SUPALITE CUTTING MAT



Our SupaLite clear workbench mats offer a great option for workbench protection mats or light duty cutting mats. SupaLite cutting mats are completely clear with a very light blue tint.

- > Excellent workbench protection mat
- > 3mm thick & double-sided for twice the life
- > Available in multiple widths and up to 20m x 1.5m in one length
- > Silicone free, and Free of phthalate plasticisers
- > Suitable for all types of applications including flat-bed laminator /roller tables or Workbench Protection.
- > Solvent and most chemicals proof and waterproof

CODE	SIZE	CODE	SIZE
TM4570SL	1000mm Width /Price Per Metre	TM4578SL	A3 Size (297 x 420mm)
TM4571SL	1200mm Width /Price Per Metre	TM4577SL	A2 Size (420 x 594mm)
TM4572SL	1500mm Width /Price Per Metre	TM4576SL	A1 Size (594 x 841mm)
		TM4575SL	A0 Size (841 x 1189mm)

ULTRASEAL CUTTING MAT



**EXCELLENT
DURABILITY**

Our Premium Ultraseal Grey cutting mat is extremely durable, and designed and manufactured specifically for hi-tech industries where there is constant cutting. A great investment for your workplace – protects your work surface, and with great hygienic 'easy clean' and waterproof properties, means you can keep your bench looking fantastic.

- > Exceptional self-healing and wear properties. An extremely dense and robust cutting surface whilst still allowing the knives to glide.
- > Available in 4mm or 6mm Thickness, Ideal for constant cutting in demanding situations such as automotive or aerospace industries.
- > Smooth finish great for working with extremely sensitive and high-quality products. Shorehardness of 70A gives a slightly soft but dense cutting surface
- > Manufactured to help deal with cross contamination and foreign object debris control, ideal when working with materials such as carbon fibre, composite and performance materials. Able to withstand heat up to 90Degrees meaning it's a great mat for using in conjunction with Heat Guns and soldering equipment.

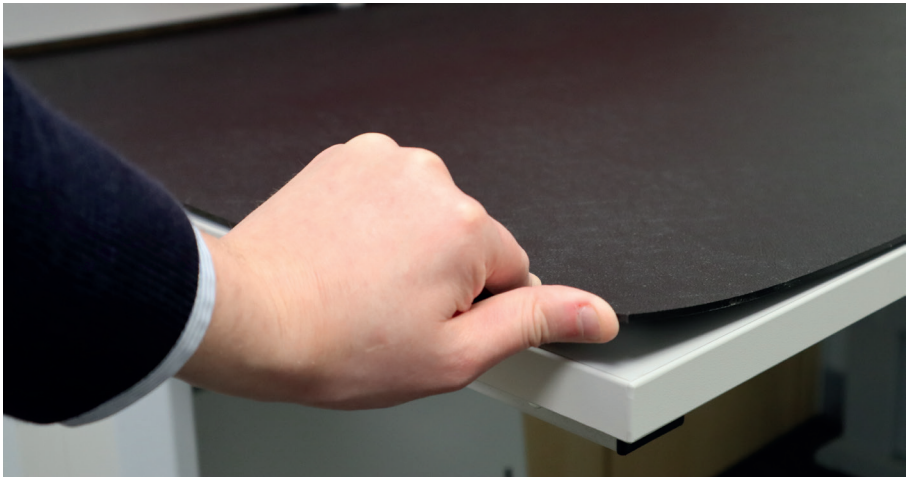
CODE

TM4662

POA



XTRATUFF WORKBENCH MAT



Our Rhino Workbench Protection board, is an excellent cost effective hard wearing and durable workbench board. Fantastic for protecting workbench tops and workstations, its textured surface allows boxes or items to slide around with ease. Ideal for Fulfilment, 3PL or packaging areas.

- > 3mm Thick Black Textured finish, Rigid hard Wearing protection board
- > Solvent proof and lightly textured anti-glare surface. Superior impact strength.
- > Predominately for workbench protection, but also strong enough to stand up to knife cuts, although not self-healing as our other cutting mat
- > Ideal to cover poor existing surfaces, and provides a smart, clean work surface
- > Available in 2440 x 1220 or 3050 x 1500mm sheets, and can be cut to size

CODE	SIZE
TM4700	2440 x 1220mm (8' x 4')
TM4701	3050 x 1500mm (10' x 5')

XTRATUFF ESD WORKBENCH MAT



Our Rhino Xtrattuff ESD Workbench Protection board, is an excellent hard wearing and durable workbench board. Fantastic for protecting workbench tops and workstations. Ideal for areas such as manufacture of electrical components where an Anti-Static ESD environment is important.

- > 4.5mm Thick Black Textured finish, Rigid hard Wearing protection board
- > Surface Resistivity to BS EN 61340-2-3, Measured Surface Resistance - $9.6 \times 10^{12}\Omega$, Calculated Surface Resistivity - $9.6 \times 10^{13}\Omega$, Classification as per BS EN 61340-5-1 - Static Dissipative
- > Complete with 10mm Press Stud for grounding methods such as wrist straps.
- > Solvent proof and lightly textured anti-glare surface. Superior impact strength.
- > Predominately for workbench protection, but also strong enough to stand up to knife cuts, although not self-healing as our other cutting mats
- > Available in multiple sizes up to 2000 x 1000mm. Can be Cut to Bespoke Size

CODE	SIZE
TM4591	2000 x 1000mm
TM4592	2000 x 750mm
TM4593	1800 x 750mm
TM4594	1500 x 750mm

PRODUCT COMPARISON

CUTTING MAT TECHNICAL GUIDE

TOOL/USE/APPLICATION	HEAVY DUTY	MEDIUM DUTY	SUPASEAL / AS/Grey	SUPALITE	ULTRASEAL
MAT PROPERTIES					
COLOUR	SEMI-OPAQUE WHITE	SEMI-OPAQUE WHITE	CLEAR BLUE / GREY	CLEAR BLUE TINT	GREY
ANTI-SLIP	★★★	★★★	★★★★★	★★★★★	★★★★★
SILICONE FREE	YES	YES	YES	YES	YES
SELF-HEALING PROPERTIES	★★★★	★★★★	★★★★★	★★★★★	★★★★★
ANTI-GLARE SURFACE	★★★★★	★★★★★	★★★★	★★★★	★★★★
DURABILITY	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
TEXTURED SURFACE	YES	YES	NO	NO	NO
MATERIAL FLEXIBILITY	★★★	★★★	★★★★	★★★★	★★★
RESISTANCE AGAINST SHOCK & TEARS	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
ALMOST INVISIBLE KNIFE CUTS	★★★★	★★★★	★★★	★★★	★★★★★
RAZOR STRAIGHT CUTTING	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
REDUCE TRAMLINING WHEN CUTTING	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
APPLICATION USE					
WORKBENCH & SURFACE PROTECTION	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
PRINT & GRAPHICS TRIMMING	★★★★★	★★★★★	★★★★★	★★★★	★★★★★
GENERAL WAREHOUSE USE	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
CRAFTS & PHOTOGRAPHY	★★★★	★★★★	★★★★★	★★★★★	★★★★
QUILTING & HOBBIES	★★★★	★★★★	★★★★★	★★★★★	★★★★
MULTI-PROPOSE CUTTING	★★★★	★★★★	★★★★★	★★★★★	★★★★★
HEAVY-DUTY APPLICATION	★★★★★	★★★★★	★★★★★	★★★★	★★★★★
FLAT-BED ROLLER LAMINATOR TABLE	★★★★	★★★★	★★★★★	★★★★★	★
TOOL USE					
ROTARY CUTTER	★★★★	★★★★	★★	★★	★★
CRAFT KNIFE	★★★★	★★★★	★★★★★	★★★★★	★★★★★
SCALPEL	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
STANLEY/ POWER KNIFE	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
SIZES/OPTIONS					
LARGEST MAT SIZE	4890 x 1220/3657 x 1828mm	2440 x 1220mm	20M x 2200mm	20M x 1500mm	3000 x 1200mm
THICKNESS	4.5mm	3mm	5mm	3mm	4mm and 6mm
DOUBLE SIDED (USE BOTH SIDES)	YES (Only Textured 1 Side)	YES (Only Textured 1 Side)	YES	YES	NO
PRINTED FLEXI-GRID AVAILABLE	YES	YES	YES	YES	NO
CUT TO BESPOKE SIZE	YES	YES	YES	YES	YES
CNC SHAPED (CAD FILE REQUIRED) POA	YES	YES	NO	NO	NO
TECHNICAL SPECIFICATION					
SOLVENT PROOF/MOST CHEMICAL PROOF	★★★★★	★★★★★	★★★★	★★★★★	★★★★★
WATERPROOF	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
FIRE RETARDANT	★★★★	★★★★	★★★★★ M2	★★★★★ M2	★★★★★
HEAT RESISTANT	★★★★	★★★★	★★★★★	★★★★★	★★★★★
LIGHT TRANSMISSION	45%	45%	75%	75%	0%
ANTI-STATIC	★★★	★★★	★★★	★★★	★★★
RECYCLABLE	★★★★★	★★★★★	★★★★★	★★★★★	★★
REACH CONFORMABLE	YES	YES	YES	YES	YES
ANTI-BACTERIAL	NO	NO	NO	NO	NO
SHORE HARDNESS	50	50	80	80	70
DENSITY	0.93g/cm³	0.93g/cm³	1.22g/cm³	1.22g/cm³	1.06g/cm
TEAR STRENGTH	25 KN/m	25 KN/m	50 KN/m	50 KN/m	56 KN/m
HEAT RESISTANCE (MIN)	-40c	-40c	-15c	-15c	-60c
HEAT RESISTANCE (MAX)	65c	65c	50	50	90c

PRODUCT COMPARISON

WORKBENCH PROTECTION MAT TECHNICAL GUIDE

TOOL/USE/APPLICATION	XTRATUFF	XTRATUFF ESD	SUPASEAL / AS/Grey	SUPALITE
MAT PROPERTIES				
COLOUR	SOLID BLACK	SOLID BLACK	CLEAR BLUE / GREY	CLEAR BLUE TINT
ANTI-SLIP	★★★	★★★	★★★★★	★★★★★
SILICONE FREE	YES	YES	YES	YES
SELF-HEALING PROPERTIES	★★	★★	★★★★★	★★★★★
ANTI-GLARE SURFACE	★★★★★	★★★★★	★★★★	★★★★
DURABILITY	★★★★	★★★★	★★★★	★★★★
TEXTURED SURFACE	YES	YES	NO	NO
MATERIAL FLEXIBILITY	★★★	★★	★★★★	★★★★
RESISTANCE AGAINST SHOCK & TEARS	★★★★★	★★★★★	★★★★★	★★★★★
ALMOST INVISIBLE KNIFE CUTS	★★★	★★★	★★★	★★★
RAZOR STRAIGHT CUTTING	★★★	★★★	★★★★	★★★★
REDUCE TRAMLINING WHEN CUTTING	★★★	★★★	★★★★	★★★★
APPLICATION USE				
WORKBENCH & SURFACE PROTECTION	★★★★★	★★★★★	★★★★	★★★★
PRINT & GRAPHICS TRIMMING	★★	★★	★★★★	★★★★
GENERAL WAREHOUSE USE	★★★★★	★★★★★	★★★★★	★★★★
CRAFTS & PHOTOGRAPHY	★★	★★	★★★★	★★★★
QUILTING & HOBBIES	★★	★★	★★★★	★★★★
MULTI-PURPOSE CUTTING	★★★	★★★	★★★★	★★★★
HEAVY-DUTY APPLICATION	★★★★	★★★★	★★★★	★★★
FLAT-BED ROLLER LAMINATOR TABLE	N/A	N/A	★★★★★	★★★★
TOOL USE				
ROTARY CUTTER	★	★	★★	★★
CRAFT KNIFE	★★★★	★★★★	★★★★	★★★★
SCALPEL	★★★★	★★★★	★★★★	★★★★
STANLEY/ POWER KNIFE	★★★★	★★★★	★★★★	★★★★
SIZES/OPTIONS				
LARGEST MAT SIZE	3050 x 1500mm	2000 x 1000mm	20M x 2200mm	20M x 1500mm
THICKNESS	3.0mm	4.5mm	5mm	3mm
DOUBLE SIDED (USE BOTH SIDES)	YES (Only Textured 1 Side)	YES (Only Textured 1 Side)	YES	YES
PRINTED FLEXI-GRID AVAILABLE	N/A	N/A	YES	YES
CUT TO BESPOKE SIZE	YES	YES	YES	YES
CNC SHAPED (CAD FILE REQUIRED) POA	YES	YES	NO	NO
TECHNICAL SPECIFICATION				
SOLVENT PROOF/MOST CHEMICAL PROOF	★★★★★	★★★★★	★★★★	★★★★
WATERPROOF	★★★★★	★★★★★	★★★★★	★★★★★
FIRE RETARDANT	★★★★	★★★★	★★★★ M2	★★★★ M2
HEAT RESISTANT	★★★★	★★★★	★★★★	★★★★
LIGHT TRANSMISSION	0 %	0 %	75%	75%
ANTI-STATIC / ESD	★★★	★★★★★	★★★	★★★
RECYCLABLE	★★★	★★★	★★★★	★★★★
REACH CONFORMABLE	YES	YES	YES	YES
ANTI-BACTERIAL	NO	NO	NO	NO
SHORE HARDNESS	N/A	N/A	80	80
DENSITY	N/A	N/A	1.22g/cm ³	1.22g/cm ³
TEAR STRENGTH	N/A	N/A	50 KN/m	50 KN/m
HEAT RESISTANCE (MIN)	-40c	-40c	-15c	-15c
HEAT RESISTANCE (MAX)	65c	65c	50	50



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